

ABSTRACT

A vibrator of the present invention comprises a coreless coil (2), a driver (4) including a magnet (4a) inserted in the coreless coil (2), a yoke (4b) for pinching the coreless coil (2) and facing the magnet (4a), and a top plate (4c), suspensions (6 and 8) for carrying resiliently the driver (4). The driver (4) is reciprocated in an axial direction of the coreless coil (2) by applying an alternate current to the coreless coil (2) to generate vibrations. The vibrator can be miniaturized without increasing a cost and has a good rising of vibrations.